

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,965,378 B2  
APPLICATION NO. : 09/824748  
DATED : November 15, 2005  
INVENTOR(S) : Atsushi Tanaka

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 1:

Line 23, "Change" should read -- Charge --.

COLUMN 2:

Line 67, "and" should be deleted.

COLUMN 3:

Line 2, "coordinate." should read -- coordinate; --;

Line 4, "order." should read -- order; --; and

Line 6, "order." should read -- order, and --.

COLUMN 4:

Line 8, "do so" should read -- done so --;

Line 63, "modulation" should read -- modulating --; and

Line 66, "sate" should read -- state --.

COLUMN 5:

Line 2, "sate" should read -- state --;

Line 20, "are illustrated" should read -- is illustrated --; and

Line 65, "so-called a" should read -- a so-called --.

COLUMN 7:

Line 14, "for simplify" should read -- to simplify --.

COLUMN 8:

Line 39, "performed" should read -- be performed --.

COLUMN 10:

Line 58, "a" should be deleted.

COLUMN 11:

Line 35, "y coordinate." should read -- Y coordinate. --.

COLUMN 13:

Line 42, "Obtained," should read -- obtained, -- and "Predicted Coordinate" should read -- predicted coordinate --; and

Line 43, "Point" should read -- point -- and "calculated." should read -- calculated. --.

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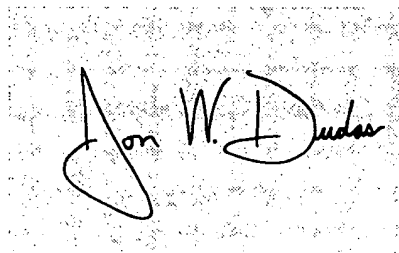
COLUMN 14:

Line 37, " $X(n-1)$ " should read --  $\Delta X(n-1)$  --; and

Line 39, "Stored." should read -- stored. --.

Signed and Sealed this

Fourteenth Day of November, 2006

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray grid pattern.

JON W. DUDAS

*Director of the United States Patent and Trademark Office*